



MAXIVA™ GATESWITCH

Versatile 1+1, N+1 & N+2 Transmitter Redundancy

GateSwitch provides transmitter and switching control for 1+1, N+1 or N+2 redundancy. GatesAir's Maxiva™ GateSwitch system enables the ultimate redundancy capability for any broadcast TV or DAB network. Four levels of redundancy are offered:

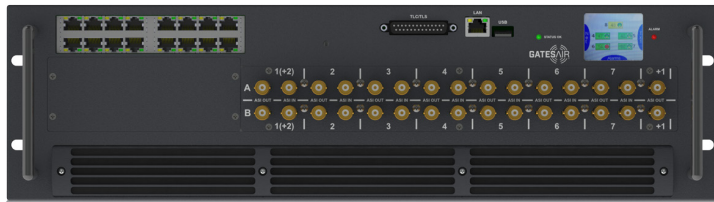
GateSwitch 2000 / 2080 / 2130



GateSwitch 4000



GateSwitch 3U



GateSwitch 2E/2U



Maxiva™ GateSwitch Product Features

Transmitter Redundancy

1+1, N+1, or N+2, within a single rack-mount chassis, with various options and power levels. Integrated RF switching for up to 350W, external switching for higher power levels.

Input Redundancy

Two independent input distribution networks are managed by two independent and parallel ASI/BTS/ ETI input matrices, or RF input switching, or passive RF splitting for transposers/ gap-fillers

Power Supply Redundancy

GateSwitch does not require its own power supply. It is powered by the transmitters connected. For example, in a 3+1 system there are 4 power supplies available to power the system.

Control Redundancy

An IP switch is implemented for fast and reliable data communication with every transmitter connected. If the link fails, a serial communication link automatically takes over.

- Compact 1RU, 2RU and 3RU rack chassis
- 1+1, N+1 and N+2 configurations available to suit all applications
- Various input configurations available:
 - ASI/BTS/ETI
 - RF switching input matrix
 - RF passive input splitting
 - Analogue Video/Audio inputs
- Embedded RF output matrix
- SNMP Web interface and Touch Screen display

Maxiva™ GateSwitch Product Features



GateSwitch 2000 Series



GateSwitch 2080 / 2130 Rear Panel



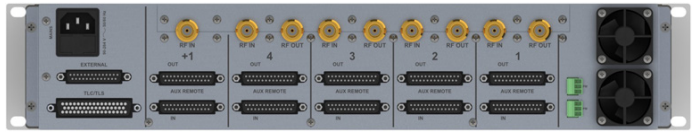
GateSwitch 2350 Rear Panel



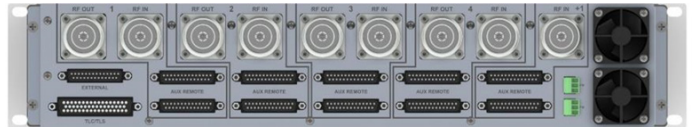
GateSwitch 4000 Series with double ASI/BTS/ETI Input Matrix



GateSwitch 4000 (External RF switches version) Rear Panel

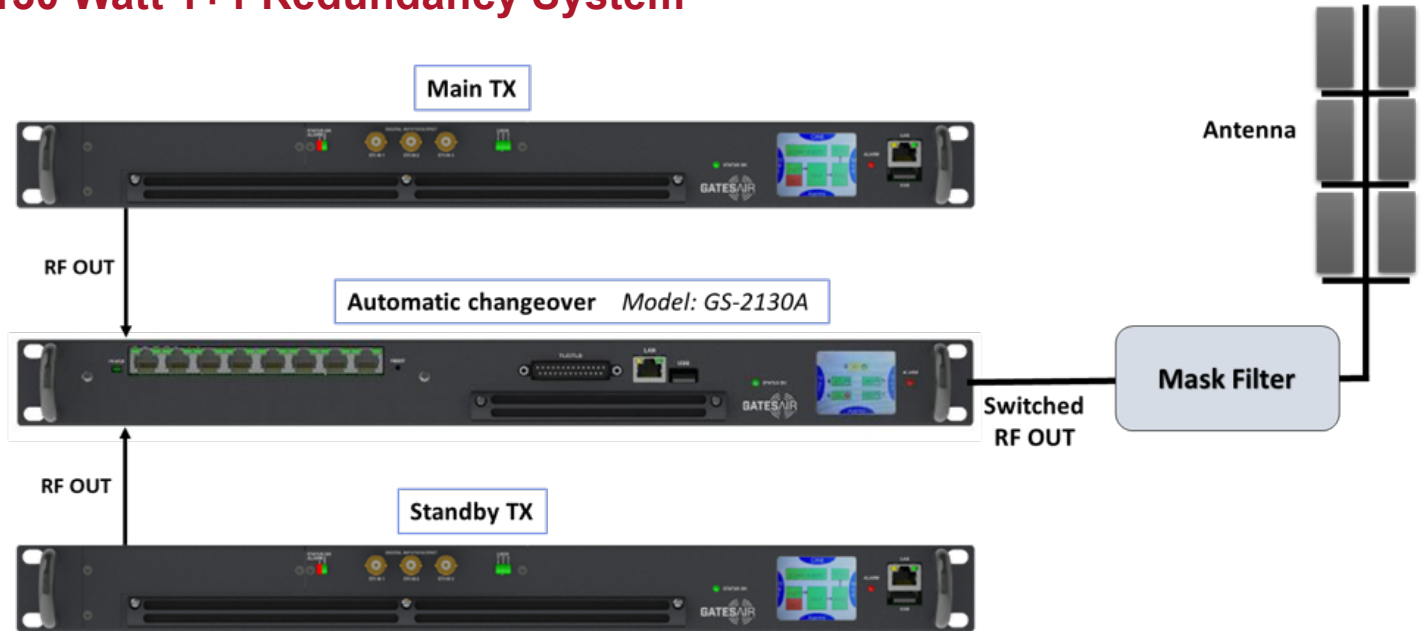


GateSwitch 4080 / 4130 Rear Panel



GateSwitch 4350 Rear Panel

130 Watt 1+1 Redundancy System



Maxiva™ GateSwitch

Specifications

Specifications and designs are subject to change without notice

General	
Configuration	1+1, N+1 and N+2 1+1, 2+1 GateSwitch 2000 Series N<8 GateSwitch 2U and 2E N<5 GateSwitch 3U and 4000 Series
RF Output Matrix	Integrated, PCB relays system for power up to 80W or 350W rms or External coaxial relays
RF Impedance	50 Ohm
RF Connectors	N (f) up to 130W rms 7/16 (f) up to 350W rms External coaxial switches (GateSwitch 2000, 2E and 4000)
Input Matrix	DVB-ASI / BTS / SMPTE-310M / ETI or RF switching matrix or RF passive distribution or Analog Video & Audio (optional)
Input Connectors	BNC (f) 75 Ohm, or N (f) 50 Ohm, or SMA (f) 50 Ohm (according to needed configuration)
Slave Management	Ethernet 10/100/1000 BaseT RS-485 Dry Contact consensus
IP Communication	Integrated 8 or 16 ports IP Switch
IP Connectors	RJ-45
AUX Connectors	DB-25
Data Logger	Integrated with storage of events and alarms
Firmware Upgrade	via USB port or via Web GUI
Controls	
Management	TFT touchscreen display GUI interface SNMP GPIO
Series 4000 Specific Data	
Control	Local or Remote, Automatic or Manual
Status Overview	LED Mimic display, on the front panel
Priority Management	Fully Customizable
Thresholds and Retries	Fully Customizable
Dummy Load	Internal with possibility to connect any unit of the system (GateSwitch 4080, 4130 and 4350 only)
Electrical	
No power supply integrated.	
DC supplied by slaves through AUX connectors	
Mechanical	
Chassis	1U rack 19" (GateSwitch 2000 Series) 2U rack 19" (GateSwitch 2E, 2U, 4000 Series) 3U rack 19" (GateSwitch 3U)
Width	483 mm
Depth	350 mm
Height	44,1 mm (GateSwitch 2000 Series) 88,1 mm (GateSwitch 2E, 2U, 4000 Series) 132,5 mm (GateSwitch 3U)
Weight	6 kg
Environmental	
Operating temperature range	-5°C ÷ 45°C
Max. relative humidity	90% non condensing
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MAXIVA-GATESWITCH-JD-071024